

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P032928-P0	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, Item 5 below.	
International application No. PCT/JP 03/16428	International filing date (day/month/year) 22/12/2003	(Earliest) Priority Date (day/month/year) 27/01/2003
Applicant MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

MULTICHIP LED LIGHTING DEVICE

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

3

☐ None of the figures.

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H05B33/

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/032985 A1 (BHAT JEROME C ET AL) 25 October 2001 (2001-10-25)	1-6, 10, 13
Y	figures	9, 11, 12
A	EP 0 891 120 A (REITTER & SCHEFENACKER GMBH) 13 January 1999 (1999-01-13)	6
Y	figures	9, 11, 12
X	EP 0 980 099 A (ROHM CO LTD) 16 February 2000 (2000-02-16)	1-3
	abstract; figures	
A	PATENT ABSTRACTS OF JAPAN vol. 0130, no. 44 (E-710), 31 January 1989 (1989-01-31) & JP 63 239873 A (HITACHI LTD; others: 01), 5 October 1988 (1988-10-05) abstract	8

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

8 July 2004

Date of mailing of the international search report

26/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Maicas, J

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP 03/16428

Patent document cited in search report		Publication date	Patent family member		Publication date
US 2001032985	A1	25-10-2001	US	6486499 B1	26-11-2002
			DE	10221504 A1	28-11-2002
			JP	2003008083 A	10-01-2003
			AU	2076901 A	03-07-2001
			EP	1159766 A1	05-12-2001
			JP	2001203386 A	27-07-2001
			WO	0147036 A1	28-06-2001
			US	2002070386 A1	13-06-2002
			US	2002171087 A1	21-11-2002
			US	2002190260 A1	19-12-2002
			US	2004094774 A1	20-05-2004
			US	2002125485 A1	12-09-2002
			US	2002047131 A1	25-04-2002
<hr/>					
EP 0891120	A	13-01-1999	DE	19728763 A1	14-01-1999
			EP	0891120 A2	13-01-1999
			US	5939839 A	17-08-1999
<hr/>					
EP 0980099	A	16-02-2000	JP	10303467 A	13-11-1998
			EP	0980099 A1	16-02-2000
			US	2002088983 A1	11-07-2002
			CN	1121721 B	17-09-2003
			WO	9849728 A1	05-11-1998
			TW	406444 B	21-09-2000
<hr/>					
JP 63239873	A	05-10-1988	NONE		
<hr/>					